

FORM 1449*		Docket Number: 10873.0326USDI	Application Number: 10/037,866
O I P E MAR 04 2003 PATENT & TRADEMARK OFFICE		Applicant: YAMAGATA et al.	
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)		Filing Date: October 24, 2001	Group Art Unit: 2821

U.S. PATENT DOCUMENTS						
EXAMINER INITIALS	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>3J</i>	US 5,418,356	May 1995	Masahito TAKANO			
<i>3J</i>	US 5,044,706	Sept. 1991	Chungie W. CHEN			
<i>3J</i>	US 5,949,577	Sept. 1999	Yasuji OGATA			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
<i>3J</i>	JP 7-5358	Jan. 1995	Japan			Abstract
<i>3J</i>	JP 8-43767	Feb. 1996	Japan			Abstract
<i>3J</i>	JP 4-213421	Aug. 1992	Japan			Abstract
<i>3J</i>	JP 4-142151	May 1992	Japan			Abstract
<i>3J</i>	JP 10-73760	March 1998	Japan			Abstract
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
<i>3J</i>		Junes et al., "Hybrid diffractive-refractive lenses and achromats", Applied Optics vol. 27, No. 14, 15 July 1988, pp 2960-2971.				



EXAMINER <i>Yamada</i>	DATE CONSIDERED <i>9/3/03</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

Date Mailed: October 24, 2001

COPY OF PAPERS
ORIGINALLY FILED

Sheet 1 of 2

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)		Docket Number 10873 326US1	Application Number Unknown
		Applicant Yamagata et al	
		Filing Date concurrent herewith	Group Art Unit Unknown

11017 U.S.P.T.O.
10/03/01

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
3D	6,024,283	02/15/2000	Campanelli et al.			
	5,218,471	06/08/1993	Swanson et al			
	5,161,059	11/03/1992	Swanson et al			
	5,648,655	07/15/1997	Rostoker			
	5,629,799	05/13/1997	Maruyama et al.			
	5,581,405	12/03/1996	Meyers et al.			
	5,543,966	08/06/1996	Meyers			
	5,078,513	01/07/1992	Spaulding et al.			
2J	5 161 057	11/03/1992	Johnson			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
3D	WO 95/18393	07/06/1995	PCT				
	JP 10-133104	05/22/1998	JAPAN			X	
	JP 8-171052	07/02/1996	JAPAN			X	
	JP 5-135193	06/01/1993	JAPAN			X	
	JP 5-119255	05/18/1993	JAPAN			Abstract	
2J	43 23 971	02/17/1994	GERMANY			See search report	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

3D	1989	Swanson, G. et al. "Diffractive optical elements for use in infrared systems" OPTICAL ENGINEERING; Vol. 28, No. 6; June 1989, pp. 605-608.
2J	1982	"Diffractive grating". ACADEMIC PRESS; Chapter 2; 1982, pp. 13-55.
2J	1977	Sweatt, William C. "Describing holographic optical elements as lenses" J. OPT. SOC. AM : Vol. 67, No. 6; June 1977; pp. 803-808.

EXAMINER <i>Gadee</i>	DATE CONSIDERED <i>9/3/01</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation and not considered. Include copy of this form for next communication to the Applicant.	



FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION <small>(Use several sheets if necessary)</small>	Docket Number 10873.326USDI	Application Number Unknown
	Applicant: Yamagata et al	
	Filing Date: concurrent herewith	Group Art Unit: Unknown

BEST AVAILABLE COPY

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>ZS</i>	615 142	09/14/1994	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1995	Rossi, M. Et al: "Refractive and diffractive properties of planar micro-optical elements"; vol. 34, no. 26; 10 September 1995, pages 5996-6007, XP000523025
	1997	Yamagata, M. Et al.: Efficiency simulation for diamond-turned diffractive lenses" 1997 6 th Microoptics Conference and 14 th Topical Meeting on Gradient Index Optical Systems; Vol. 37, no. 6B, pages 36953700, XP002112601
	1997	Yin Gonjie et al.: "Diffractive efficiency of diffractive lenses and its effects on MTF", Jiguang Jishu; Jiguang Jushu, CHINA, vol. 21, no. 6, 1997, pages 369-371, XP002112602

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION <small>(Use several sheets if necessary)</small>	Docket Number: 10873.0326USDI Applicant: YAMAGATA et al.	Application Number: 10/037,866 Filing Date: October 24, 2001 Group Art Unit: 2821
--	--	---

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

38		Georgia Institute Of Technology, "Diffractive Optics Work Shop", March 21-24, 1995
		Hugh D. Young, "Physics", Extended Version with Modern Physics, p 1056
		John M. Cowley, "Diffraction Physics", pp 44-46

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

